

REMARKS

By the present amendment, Claims 1-5 and 11 have been amended. Claims 1-13 are pending in the application, with Claims 1 and 11 being independent claims. Claims 1-13 are rejected under 35 U.S.C. § 112, second paragraph, as allegedly being indefinite.

Applicants appreciate the indication by the Examiner that Claims 1-13 would be allowable if rewritten to overcome the rejection under 35 U.S.C. § 112, second paragraph.

Claim 1 has been amended to recite, in part, a method to generate a preamble ~~sequence to decrease a peak to average power ratio (PAPR) through at least two antennas~~ in an orthogonal frequency division multiplexing (OFDM) communication system having a plurality of subcarriers actually in use and identified by unique numbers in a frequency domain, the method comprising the steps of: generating a first short preamble sequence with elements corresponding to the plurality of subcarriers, wherein data other than null data is inserted for elements associated with a subcarrier identified by a unique number that is an even number; generating a second short preamble sequence with elements corresponding to the plurality of subcarriers, wherein data other than null data is inserted for elements associated with a subcarrier identified by a unique number that is an odd number; and generating a preamble sequence in a time domain by transforming one of the first and second short preamble sequences according to a transmission rule by using an inverse Fast Fourier transform. Independent Claim 11 has been amended in a similar manner and dependent Claims 2-4 have been amended to correspond to amended Claim 1. Claim 5 has also been amended as shown in the attached listing of claims.

Applicants respectfully submit that these amendments overcome the rejection of Claims 1-13 under 35 U.S.C. § 112, second paragraph. Applicants note that in Claim 7, antecedent basis for the phrase “the one orthogonal frequency division multiplexing symbol period”, as recited in line 5, is provided by the phrase “one orthogonal frequency division multiplexing symbol period” that occurs in line 3.

Accordingly, amended independent Claims 1 and 11 are allowable.

While not conceding the patentability of the dependent claims, *per se*, Claims 2-10, 12 and 13 are also allowable for at least the above reasons.

Accordingly, all of the claims pending in the Application, namely, Claims 1-13, are in condition for allowance. Should the Examiner believe that a telephone conference or personal interview would facilitate resolution of any remaining matters, the Examiner may contact Applicants' attorney at the number given below.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul J. Farrell", is written over a horizontal line.

Paul J. Farrell
Reg. No. 33,494
Attorney for Applicants

THE FARRELL LAW FIRM
333 Earle Ovington Blvd., Suite 701
Uniondale, New York 11553
Tel: (516) 228-3565
Fax: (516) 228-8475

PJF/TCS/dr